F6X53 Series User Manual

The user manual is suitable for the following model:

Model	Product Type
F6453	WCDMA GATEWAY
F6553	TD-SCDMA GATEWAY
F6653	EVDO GATEWAY

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Date	Version	Remark	Author

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Local Network
WIFI
WAN
1
2
3
4
Phone
Online
System
Power

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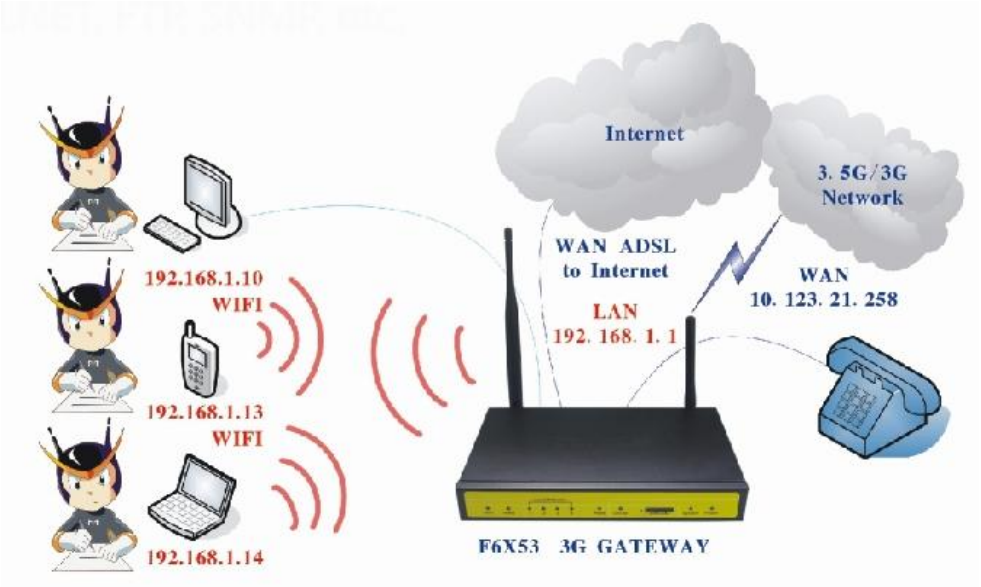
Chapter 1 Brief Introduction of Product

1.1 General

F6X53 series GATEWAY is a kind of cellular terminal device that provides data transfer and call function by public wireless network.

It adopts high-powered industrial 32-bits CPU and embedded real time operating system. It supports Ethernet, WIFI and telephone (RJ11) port that can conveniently and transparently connect one device to a cellular network, allowing you to connect to your existing Ethernet, WIFI and common telephone devices with only basic configuration.

It has been widely used on M2M fields, such as intelligent transportation, smart grid, industrial automation, telemetry, finance, POS, water supply, environment protection, post, weather, and so on.



1.2 Features and Benefits

Design for Industrial Application

- High-powered industrial cellular module
- High-powered industrial 32bits CPU
- Support low-consumption mode, including sleep mode, scheduled online/offline mode, scheduled power-on/power-off mode(optional)
- Housing: iron, providing IP30 protection
- Power range: DC 5~35V

Stability and Reliability

- Support hardware and software WDT
- Support auto recovery mechanism, including online detect, auto redial when offline to make router always online
- Ethernet port: 1.5KV magnetic isolation protection
- Telephone port: over-current and overvoltage protection
- SIM/UIM port: 15KV ESD protection
- Power port: reverse-voltage and overvoltage protection
- Antenna port: lightning protection(optional)

Standard and Convenience

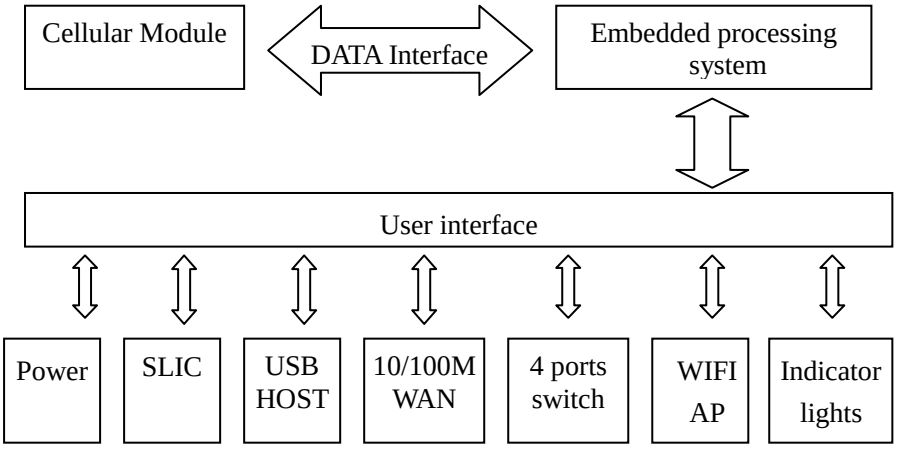
- Support standard Ethernet, WIFI and telephone(RJ11) port that can connect to Ethernet, WIFI and common telephone devices directly
- Support standard WAN port and PPPOE protocol that can connect to ADSL directly
- Support intellectual mode, enter into communication state automatically when powered
- Provide management software for remote management
- Support several work modes
- Convenient configuration and maintenance interface（WEB or CLI）

High-performance

- Support complete FXS function
- Support double link backup between WCDMA/HSDPA/HSUPA and WAN(PPPOE, ADSL) (optional)
- Support VPN client(PPTP, L2TP, IPSEC and GRE)(only for VPN version)
- Support port mirror function(optional)
- Support WIFI AP, WIFI AP client and WDS(optional)
- Support multi online trigger ways, including SMS, ring and data. Support link disconnection when timeout
- Support APN/VPDN
- Support wireless video monitoring and dynamic picture transfer
- Support DHCP server and client, DDNS, firewall, NAT, DMZ host, etc.
- Support multi protocols, such as TCP/IP, UDP, ICMP, SMTP, HTTP, POP3, OICQ, TELNET, FTP, SNMP, etc.

1.3 Working Principle

The principle chart of the GATEWAY is as following:



1.4 Specifications

Cellular Specification

Standard and Band	Bandwidth	TX power	RX sensitivity
F6453 WCDMA&HSDPA&HSUPA GATEWAY			
UMTS/WCDMA/HSDPA/HSUPA 850/1900/2100MHz, 850/900/1900/2100MHz(optional) GSM850/900/1800/1900MHz GPRS/EDGE CLASS 12	HSUPA:5.76Mbps (Upload speed) HSDPA:7.2Mbps (Download speed) UMTS:384Kbps (DL/UL)	<24dBm	<-109 dBm
F6553 TD-SCDMA GATEWAY			
TD-SCDMA/HSDPA/HSUPA 1880-1920/2010-2025MHz GSM850/900/1800/1900MHz GPRS/EDGE CLASS 12	Download speed:2.8Mbps, Upload speed:2.2Mbps	<24dBm	<-108 dBm
F6653 CDMA2000 1X EVDO GATEWAY			
CDMA2000 1X EVDO Rev A 800MHz,800/1900MHz(optional) 450MHz (optional) CDMA2000 1X RTT, IS-95 A/B	Download speed:3.1Mbps Upload speed:1.8Mbps	<23dBm	<-104 dBm

WIFI Specification

Item	Content
Standard	IEEE802.11b/g IEEE802.11n (optional)
Bandwidth	IEEE802.11b/g: 54Mbps (max)

	IEEE802.11n: 300Mbps (max)
Security	WEP, WPA, WPA2, etc. WPS (optional)
TX power	16-17dBm(11g), 18-20dBm(11b)
RX sensitivity	<-72dBm@54Mpbs

Hardware System

Item	Content
CPU	Industrial 32bits CPU
FLASH	4MB(Extendable to 16MB)
SDRAM	32MB(Extendable to 64MB)

Interface Type

Item	Content
WAN	1 10/100 Mbps WAN port(RJ45), auto MDI/MDIX, 1.5KV magnetic isolation protection
LAN	4 10/100 Mbps Ethernet ports(RJ45), auto MDI/MDIX, 1.5KV magnetic isolation protection
Telephone	Standard FXS interface(RJ11), over-current and overvoltage protection
Indicator	"Power", "System", "Online", "Phone", " Local Network ", "WAN", "WLAN"
Antenna	Cellular: Standard SMA female interface, 50 ohm, lighting protection(optional) WIFI: Standard SMA male interface, 50 ohm, lighting protection(optional)
SIM/UIM	Standard 3V/1.8V user card interface, 15KV ESD protection
Power	Standard 3-PIN power jack, reverse-voltage and overvoltage protection
Reset	Restore the router to its original factory default settings
USB	Standard A type USB host interface (reserved)

Power Input

Item	Content
Standard Power	DC 12V/1.5A
Power Range	DC 5~35V

Consumption	<450mA (12V)

Physical Characteristics

Item	Content
Housing	Iron, providing IP30 protection
Dimensions	206x135x28 mm
Weight	790g

Environmental Limits

Item	Content
Operating Temperature	-25~+65℃（-13~+149℉）
Extended Operating Temperature	-30~+75℃（-22~+167℉）
Storage Temperature	-40~+85℃（-40~+185℉）
Operating Humidity	95% (Non-condensing)

Chapter 2 Installation Introduction

2.1 General

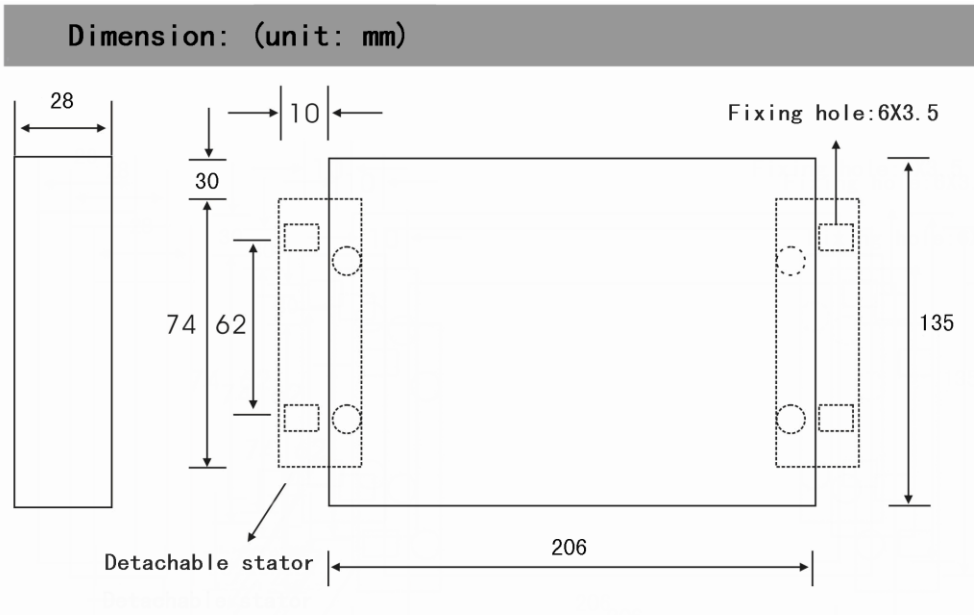
The GATEWAY must be installed correctly to make it work properly.
Warning: Forbid to install the GATEWAY when powered!

2.2 Encasement List

Name	Quantity	Remark
GATEWAY host	1	
Cellular antenna (Male SMA)	1	
WIFI antenna (Female SMA)	1	
Network cable	1	
Telephone cable	1	
Power adapter	1	
Manual CD	1	
Certification card	1	
Maintenance card	1	

2.3 Installation and Cable Connection

Dimension: (unit: mm)



Installation of SIM/UIM card:

Firstly power off the GATEWAY, and press the out button of the SIM/UIM card outlet with a needle object. Then the SIM/UIM card sheath will flick out at once. Put SIM/UIM card into the card sheath (Pay attention to put the side which has metal point outside), and insert card sheath back to the SIM/UIM card outlet.

Warning: Forbid to install SIM/UIM card when powered!

Installation of antenna:

Screw the SMA male pin of the cellular antenna to the female SMA interface of the GATEWAY with sign "WWAN".

Screw the SMA female pin of the WIFI antenna to the male SMA interface of the GATEWAY with sign "WIFI".

Warning: The cellular antenna and the WIFI antenna can not be connected wrongly. And the antennas must be screwed tightly, or the signal quality of antenna will be influenced!

Installation of network cable:

Insert one end of the network cable into the switch interface with sign "Local Network", and insert the other end into the Ethernet interface of user's device. The signal connection of network direct cable is as follows:

RJ45-1	RJ45-2
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

Installation of telephone:

Insert one end of the telephone cable into the RJ11 interface of GATEWAY with sign “Phone”, and insert the other end into the RJ11 interface of telephone.

2.4 Power

The power range of the GATEWAY is DC 5~35V.

Warning: When we use other power, we should make sure that the power can supply power above 7W.

We recommend user to use the standard DC 12V/1.5A power.

2.5 Indicator Lights Introduction

The GATEWAY provides following indicator lights: “Power”, “System”, “Online”, “Phone”, “Local Network”, “WAN”, “WLAN”.

Indicator Light	State	Introduction
Power	ON	GATEWAY is powered on
	OFF	GATEWAY is powered off
System	BLINK	System works properly
	OFF	System does not work
Online	ON	GATEWAY has logged on network
	OFF	GATEWAY hasn’t logged on network
Phone	ON	Telephone is active
	OFF	Telephone is idle
Local Network	OFF	The corresponding interface of switch is not connected
	ON / BLINK	The corresponding interface of switch is connected /Communicating
WAN	OFF	The interface of WAN is not connected
	ON / BLINK	The interface of WAN is connected /Communicating
WLAN	OFF	WLAN is not active
	ON	WLAN is active

2.6 Reset Button Introduction

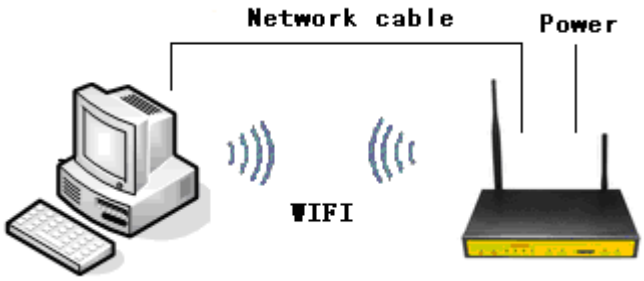
The GATEWAY has a “Reset” button to restore it to its original factory default settings. When user press the “Reset” button for up to 15s, the GATEWAY will restore to its original factory default settings and restart automatically.

Chapter 3 Configuration and Management

This chapter describes how to configure and manage the GATEWAY.

3.1 Configuration Connection

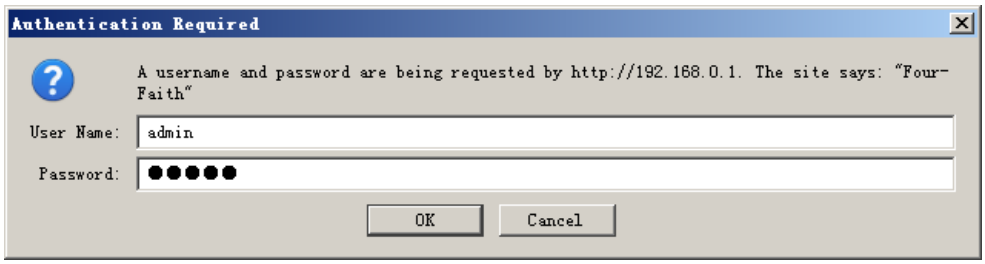
Before configuration, you should connect the router and your configuration PC with the supplied network cable. Plug the cable's one end into the Local Network port of the router, and another end into your configure PC's Ethernet port. The connection diagram is as following:



Please modify the IP address of PC as the same network segment address of the router, for instance, 192.168.1.9. Modify the mask code of PC as 255.255.255.0 and set the default gateway of PC as the router's IP address (192.168.1.1).

3.2 Access the Configuration Web Page

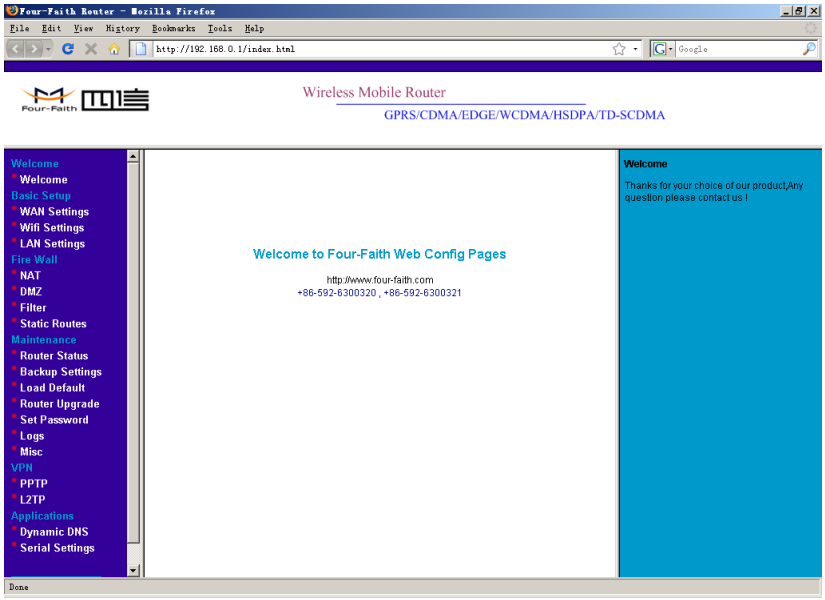
Start a web browser and type 192.168.1.1 in the Address (URL) field (The Default IP Address of the Ethernet port is 192.168.1.1). It will prompt a login page. The default username and password are both "admin". Please input the username and password login to access the configuration pages.



3.3 Configuration

3.3.1 Welcome

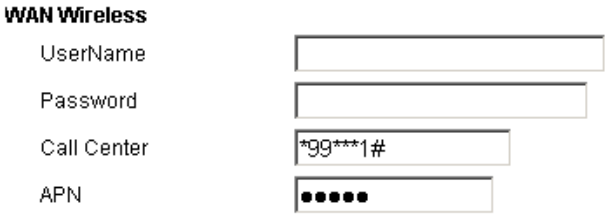
The “Welcome” page will give some contact information, if you have any question or problem, please contact us.



3.3.2 WAN Settings

This page is used to configure the Internet access parameters.

WAN Wireless



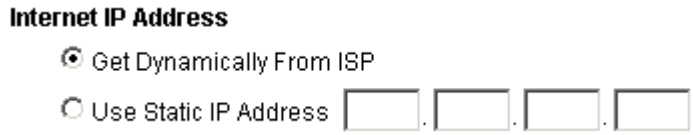
Note:

Model	APN	Username and password	Call center
F6453	3gnet	null	*99#
F6553	cmnet	null	*98*1#

F6653	null	card	#777

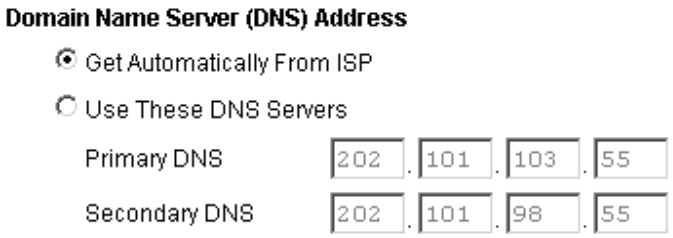
UserName: username used to login your ISP(Internet Service Provider)
Password: password used to login your ISP
Call Center: The dial number of your ISP
APN: The access point name of your ISP

Internet IP Address



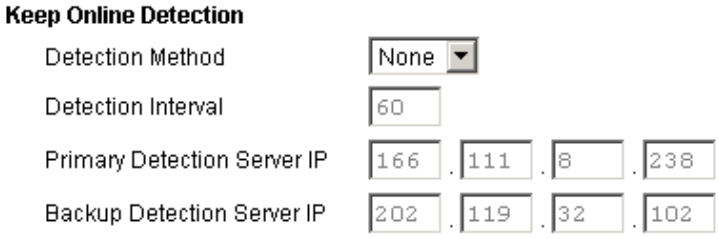
Normally, The Internet IP Address of the router is allocated by the ISP automatically, you can also fix this address if the ISP agree.

Domain Name Server (DNS) Address


Domain Name Server (DNS) Address
Get Automatically From ISP
Use These DNS Servers
Primary DNS
202 . 101 . 103 . 55
Secondary DNS
202 . 101 . 98 . 55

Normally, the Domain Name Server (DNS) Address of the router is allocated by the ISP automatically. You can also use your own DNS address. If you want to use your own DNS, please make sure the DNS address you configured is usable and stable.

Keep Online Detection



This function is used to detect whether the Internet connection is active, if you set it and when the router detect the connection is inactive ,it will redial to you ISP immediately to make the connection active.

Detection Method:

None: do not set this function

Ping: Send ping packet to detect the connection, when choose this method, you should also configure "Detection Interval", "Primary Detection Server IP" and "Backup Detection Server IP" items.

Route: Detect connection with route method, when choose this method, you should also configure "Detection Interval", "Primary Detection Server IP" and "Backup Detection Server IP" items.

PPP: Detect connection with PPP method, when choose this method, you should also configure "Detection Interval" item.

Detection Interval: The time interval between two detections, unit is second

Primary Detection Server IP: The server used to response the router's detection packet. This item is only valid for method "Ping" and "Route".

Backup Detection Server IP: The server used to response the router's detection packet. This item is valid for method "Ping" and "Route".

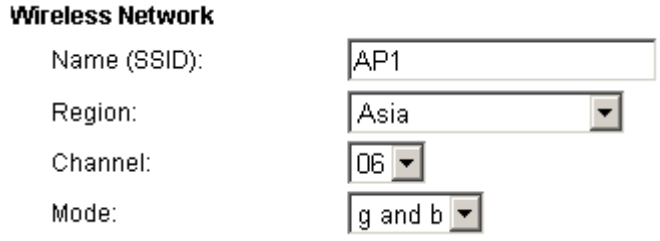
Note: When you choose the "Route" or "Ping" method, it's quite important to make sure that the "Primary Detection Server IP" and "Backup Detection Server IP" are usable and stable, because they have to response the detection packet frequently.

3.3.3 WIFI Settings

WIFI enable

Wifi Enable: Enable or disable WIFI function.

Wireless Network



Name(SSID): Service Set Identifier which is also known as the wireless network name, A value of up to 32 alphanumeric characters.

Region: This item determines where to use the router, please choose the corresponding region you

located .

Channel: this item determines which operating frequency is used.

Mode:

g and b: It provides backward compatibility with the slower 802.11b wireless devices while still enabling 802.11g communications.

b only: It supports the slower 802.11b wireless mode only.

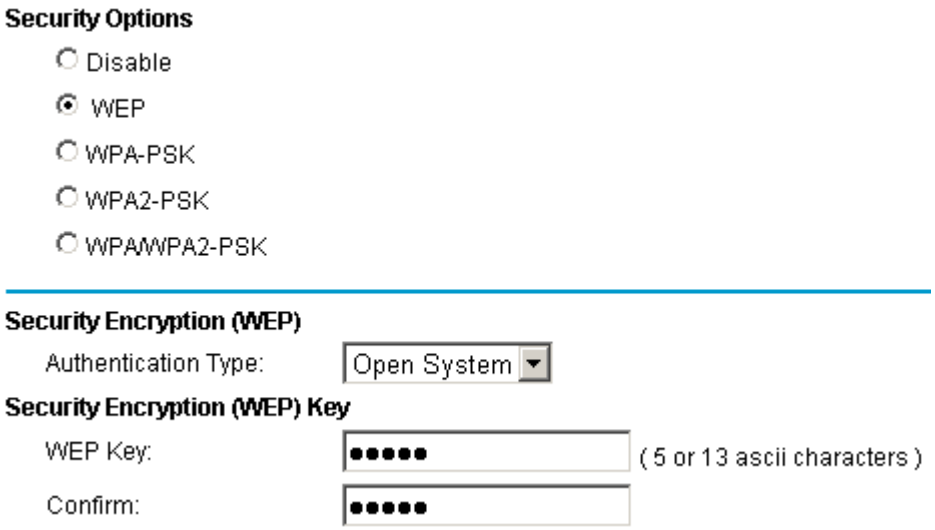
g only: It supports the 802.11g wireless mode only.

Security Options: These options are the wireless security features you can enable.

Disable	No wireless security
WEP	Wired Equivalent Privacy
WPA-PSK	WI-FI Protected Access Pre-Shared Key
WPA2-PSK	WI-FI Protected Access Pre-Shared Key
WPA/WPA2-PSK	WI-FI Protected Access Pre-Shared Key

Configure WEP Wireless Security

When you choose WEP security options, the WEP configure page is as following:

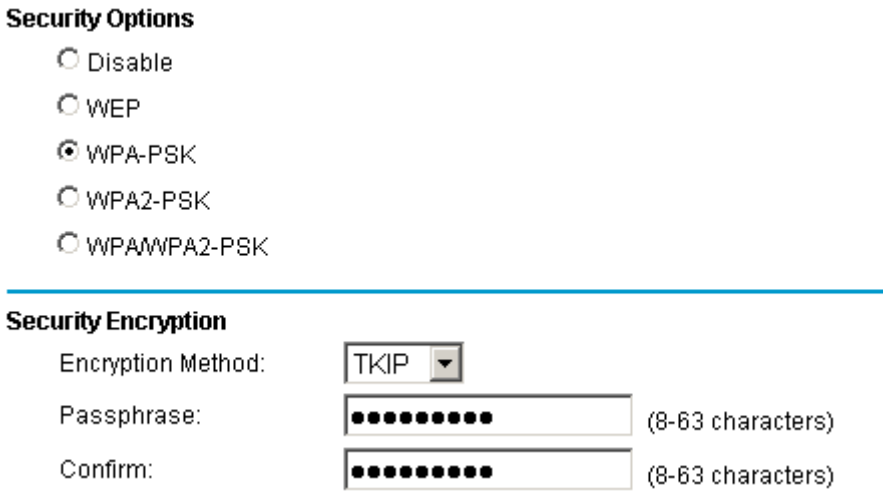


Authentication Type: It can be “Open System”, ”Shared Key” or “Automatic” type.

Security Encryption(WEP) Key: WEP encryption key, It should be 5 or 13 characters.

Configure WPA-PSK Wireless Security

When you choose WPA-PSK option, the WPA-PSK configure page is as following:



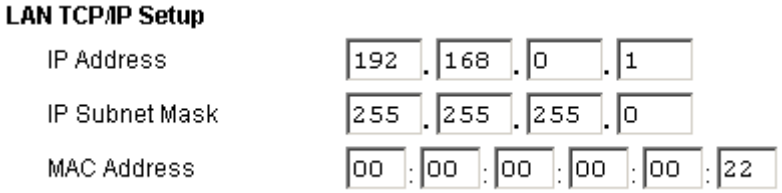
Encryption Method: It can be “TKIP”,”AES” or “AUTO” method.
Passphrase: A word or group of 8-63 printable characters

WPA2-PSK, WPA/WPA2-PSK configurations are the same as WPA-PSK.

Note:

Not all wireless adapters support WPA. Furthermore, client software is also required. Windows XP and Windows 2000 with Service Pack 3 do include WPA support. Nevertheless, the wireless adapter hardware and driver must also support WPA. For instructions on configuring wireless devices for WPA-PSK security, please consult the documentation for the product you are using.

3.3.4 LAN Settings

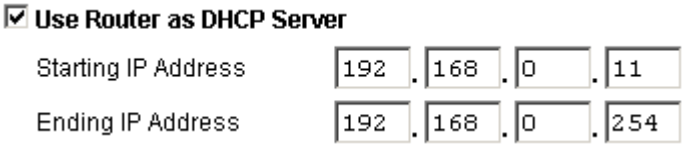


IP Address: the LAN port IP Address.

Note: If you change the LAN IP Address, you have to reboot the router to make it valid.

IP Subnet Mask: the LAN port subnet mask.

MAC Address: the LAN port Ethernet MAC Address



Use Router as DHCP Server: Enable or disable the router work as a DHCP server.

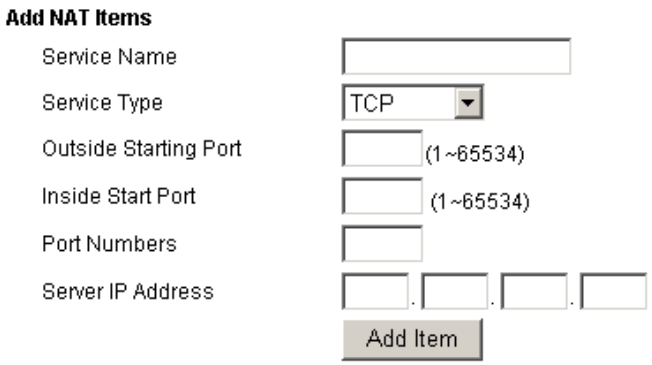
Starting IP Address: The starting IP Address of the DHCP server's Address pool

Ending IP Address: The ending IP Address of the DHCP server's Address pool

3.3.5 NAT

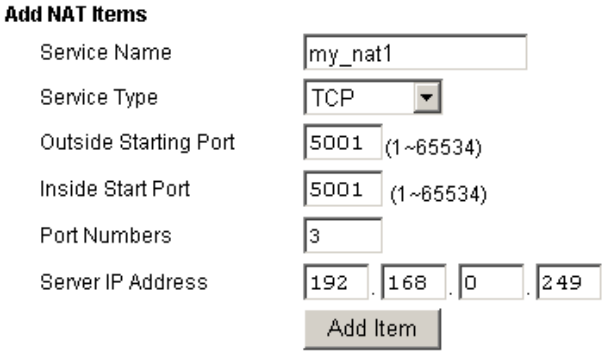
The router causes your entire local network to appear as a single machine to the Internet, You can make a local server visible and available to the Internet, This is done using the NAT (Network Address Translation). The NAT configuration page is as following:

Add a NAT item

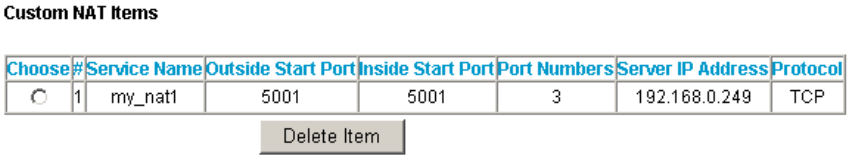


Service Name: This NAT item's name
Service Type: The protocol type of the target packet
Outside Starting Port: The target packet's destination port
Inside Start Port: The destination port of packet which has been processed by the NAT module.
Port Numbers: Port numbers which will be processed by the router.
Server IP Address: Local server IP Address.

Example:
Configure an item as following



Once adding it, The custom NAT items table will displays this item



This item will make the router process packet with the destination port from 5001 ~ 5003 (total 3 port numbers), after processed by the NAT module, the destination port will be 5001~ 5003 correspondingly and the packet will be sent to host 192.168.0.249.

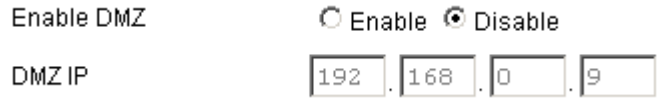
Delete a NAT item

To delete a NAT item, you should choose this item and press "Delete Item" button.

3.3.6 DMZ

Incoming traffic from the Internet is normally discarded by the router unless the traffic is a response to one of your local computers or a service that you have configured in the NAT page. Instead of discarding traffic for services you have not defined, you can have it forwarded to one computer on your network. This computer is called the Default DMZ

Server.



Enable DMZ: Enable or disable DMZ function.
DMZ IP: DMZ server IP Address.

3.3.7 Filter

To block some packets getting Internet access or block some Internet packets getting local network access, you can configure filter items to block these packets.

Packet Filter

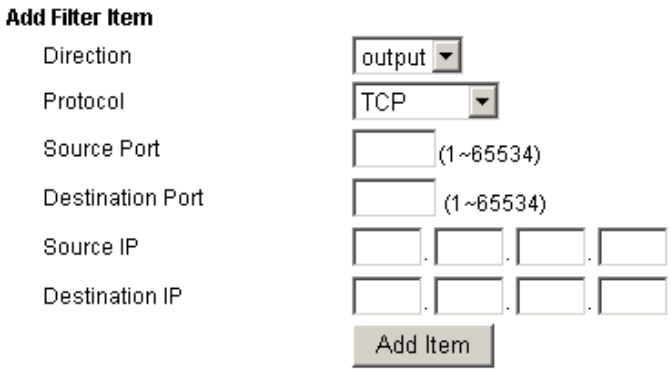
Packet filter function is realized based on IP address or port of packets.

Enable Packet Filter: Enable or disable "packet filter" function
Policy: The filter rule's policy, you can choose the following options

Discard The Following--Discard all packets matched the custom filter rules, Accept all other packets

Only Accept The Following--Accept all packets matched the custom filter rules, Discard all other packets

Add Filter Item



Direction

input: packet from WAN to LAN

output: packet from LAN to WAN

Protocol: packet protocol type

Source Port: packet's source port

Destination Port: packet's destination port

Source IP: packet's source IP address

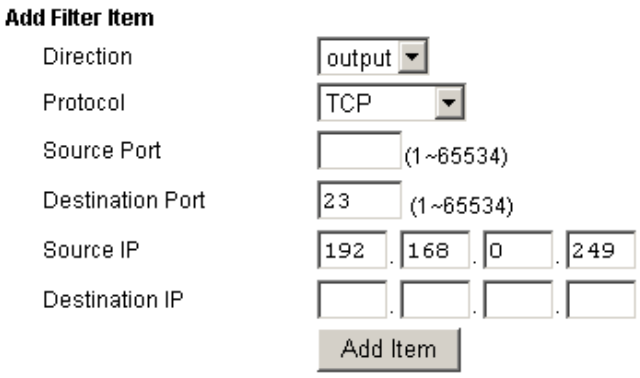
Destination IP: packet's destination IP address

Note:

"Source Port" ,"Destination Port" ,"Source IP" ,"Destination IP" could not be all empty ,you have to input at least one of these four parameters.

Example:

If want to block local network PC 192.168.0.249 telnet(TCP port 23) to any other Internet Address ,the filter item could be configured as following:



The following is the configured filter item:

MAC Restrict

This filter function is based on the Ethernet MAC address.

Enable MAC Restrict: Enable or disable MAC Restrict function

Policy:

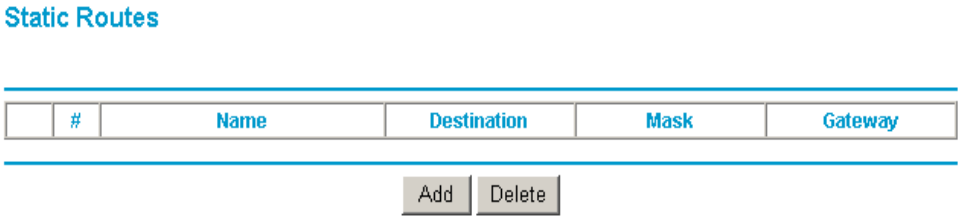
Discard The Following -- Discard all packets matched the custom MAC Restrict rules, Accept all other packets

Only Accept The Following -- Accept all packets matched the custom MAC Restrict rules, Discard all other packets

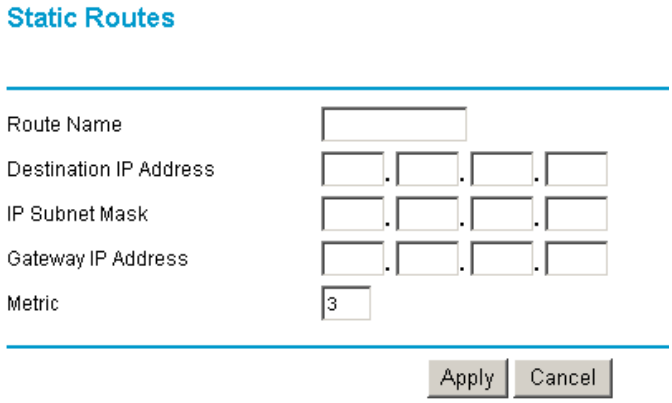
MAC Address: The MAC Address applied to this MAC Restrict item.

3.3.8 Static Routes

Static Routes provide additional routing information to your router. Under normal circumstances, the router has adequate routing information after it has been configured for Internet access, and you do not need to configure additional static routes. You must configure static routes only for unusual cases such as configured VPN tunnel or multiple IP subnets located on your local network.



Press “Add” button to start add a custom static route:

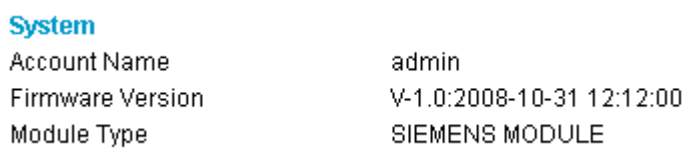


Route Name: This static route's name, It is for identification purpose only
Destination IP Address: The packet's destination IP Address
IP Subnet Mask: The subnet mask for this destination, If the destination is a single host, please input 255.255.255.255
Gateway IP Address: The gateway IP Address of this packet.
Metric: A number between 1 and 15, It represents the number of routers between your network and the destination. Usually, a setting of 2 or 3 works

If you want to delete one custom static route, choose this item and press "Delete" button.

3.3.9 Router Status

This page displays the router's status information.



Account Name: The username to login the router.
Firmware Version: Software version information
Module Type: The wireless module used to get the Internet access

Internet Port

Status	online
IP Address	10.95.208.253
Gateway	10.64.64.64
Domain Name Server	211.138.151.161
	211.136.18.171

Status: the current Internet access status

At State --- System is initialize the module

Dialing --- System is dialing to ISP

Online --- System has got Internet access

IP Address: The local Internet IP Address

Gateway: The ISP gateway IP Address

Domain Name Server: The Domain Name Server (DNS) IP Address.

LAN Port

IP Address	192.168.1.2
DHCP	Enable
IP Subnet Mask	255.255.255.0

IP Address: the LAN port IP Address

DHCP: the DHCP server status

IP Subnet Mask: The LAN port subnet mask

Wireless Port

Name (SSID)	AP1
Region	Asia
Channel	06
Mode	g and b
Wireless AP	ON

Current WIFI settings and its status

PPTP Client

Status	Disable
Interface	
Local Tunnel IP	
Remote Tunnel IP	

Status: current PPTP client status.

Interface: The interface name of the PPTP tunnel when the tunnel is up.

Local Tunnel IP: The local tunnel IP Address when the tunnel is up.

Remote Tunnel IP: the PPTP server's tunnel IP Address when the tunnel is up.

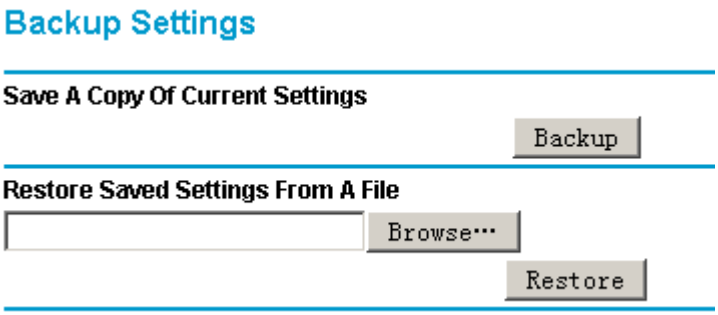
Status: current L2TP client status.
Interface: The interface name of the L2TP tunnel when the tunnel is up.
Local Tunnel IP: The local tunnel IP Address when the tunnel is up.
Remote Tunnel IP: the L2TP server's (LNS) tunnel IP Address when the tunnel is up.

3.3.10 Backup Settings

This function can save the router's current configuration to a file. You can restore the configuration with the file later.

Note:

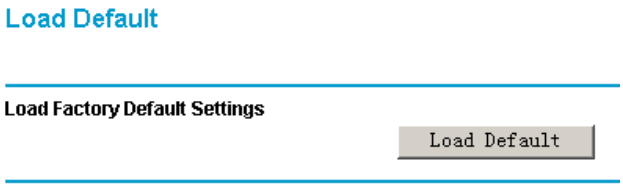
Please do not edit the saved file.If the file used to restore configuration is not correct, the router will restore to factory default setting.



To save your configuration, click the "Backup" button, your browser will extract the configuration file from the router and will prompt you for a location on your computer to store the file. The default file name is "router-confnig.txt".You can also give the file a more meaningful name.

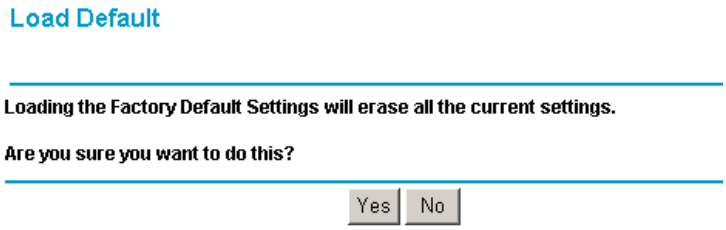
To restore your configuration from a saved file, enter the full path to the file on your computer or click the "Browse" button to browse to the file. When you have located it, click the "Restore" button to send the file to the router to restore configuration.

3.3.11 Load Default



It is sometimes desirable to restore the router to the factory default settings. This can be done by using the “Load Default” function, which will restore all factory settings.

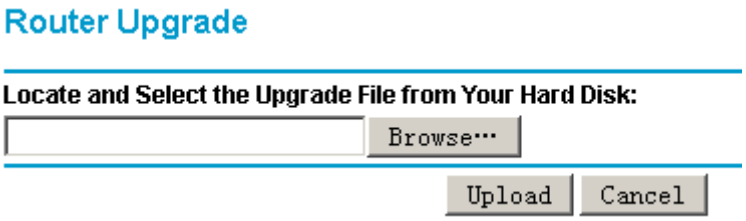
To load default settings, please click the “Load Default” button. A prompt page will give you a choice to give up this operation or continue. Click “YES” button to load default and “No” to give up.


Load Default
Loading the Factory Default Settings will erase all the current settings.
Are you sure you want to do this?
Yes
No

3.3.12 Router Upgrade

The software of the router is stored in FLASH memory, and can be upgraded as new software is released by Four-Faith. Upgrade files can be downloaded from the Four-Faith Web site(www.four-faith.com). If the upgrade file is compressed (.ZIP file or .RAR), you must first extract the binary (.IMG) file before sending it to the router. The upgrade file can be sent to the router using your browser.

To upgrade new firmware , click the “Browse” button and browse to the location of the binary (.IMG) upgrade file, then click “Upload” button to start upgrade.



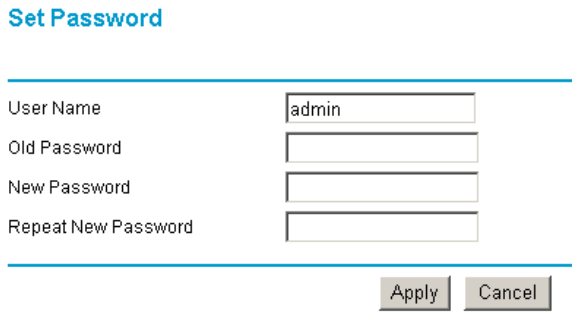
Note:

When uploading software to the Router, it is important not to interrupt the Web browser by closing the window, clicking a link, or loading a new page. If the browser is interrupted, it may corrupt the Router. It should not shutdown the power supply when uploading. When the upload is complete, your router will automatically restart and it will revert settings back to the factory defaults. The upgrade process will typically take about several minutes.

3.3.13 Set Password

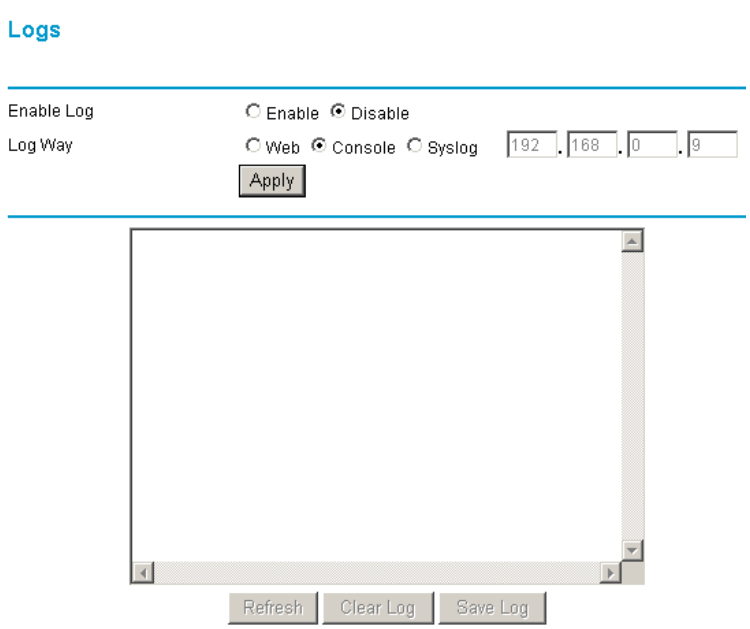
The default username and password are both “admin” .

To change the username and password, type the new username ,old password and new password.



3.3.14 Logs

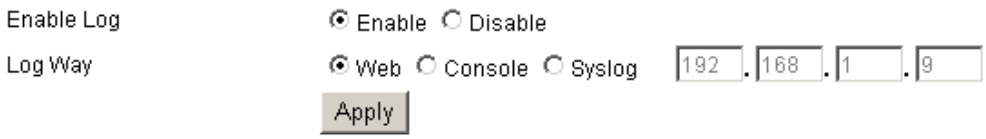
This function is used to debug the software, when there is some problem with the router, you can get the log information and send it to us to diagnose the problem. Normally this function should be disabled.



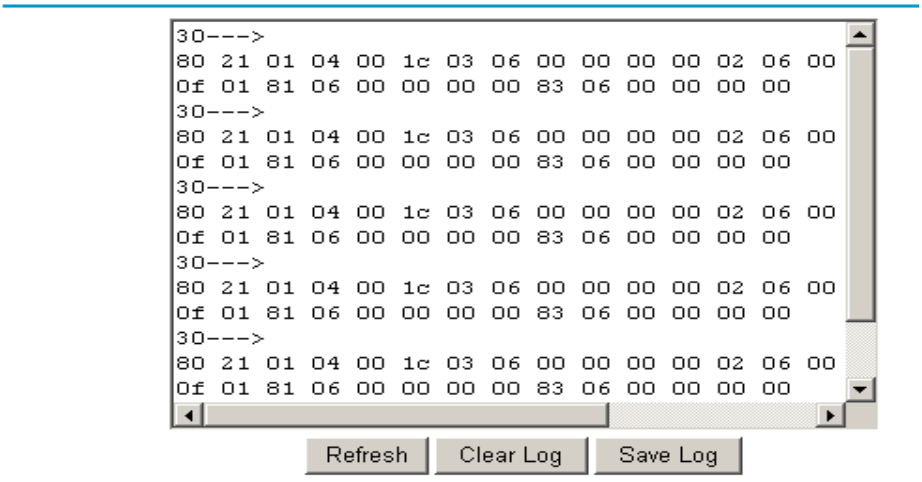
Enable Log: Enable or disable this function

Log Way: there are three log ways

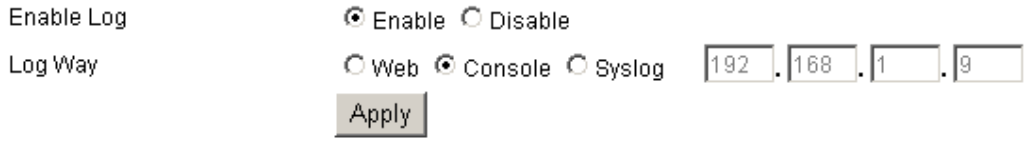
Web



The log message is displayed on this web page. You can save the log message to a file by click "Save Log" button.



Console

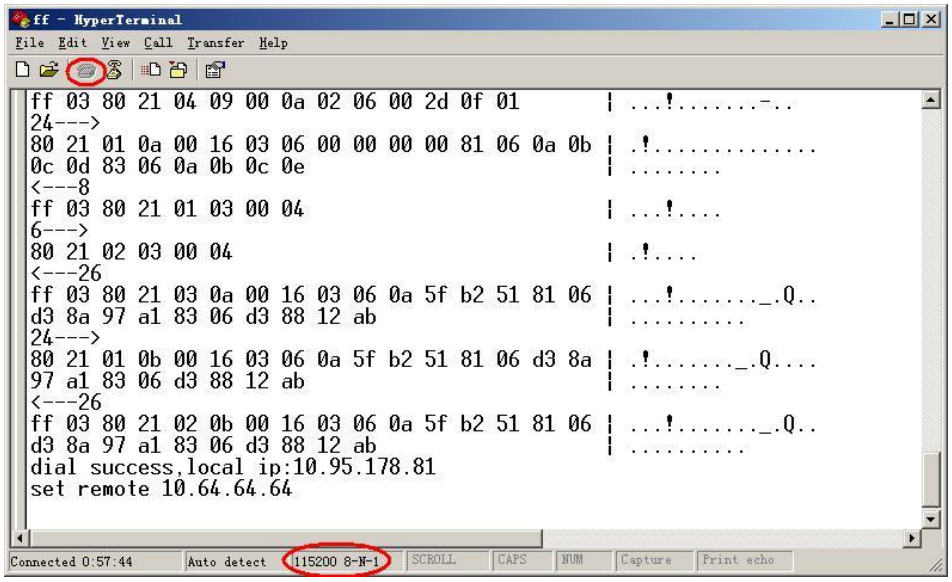


The log message is output to the console port.

To use this way, you should connect the router's console port and your PC's serial port with the supplied console cable. Then open hyper terminal with the following serial port settings:

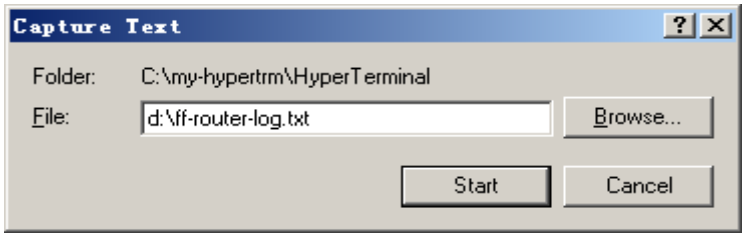
Baud : 115200 bps
Databit: 8
Parity : None
Stopbit: 1
Flow control: None

When you configure the serial port settings , press "call" button ,The router log message will be displayed.



You can capture the log message into a file:

From the menu, choose "Transfer" →"capture text"

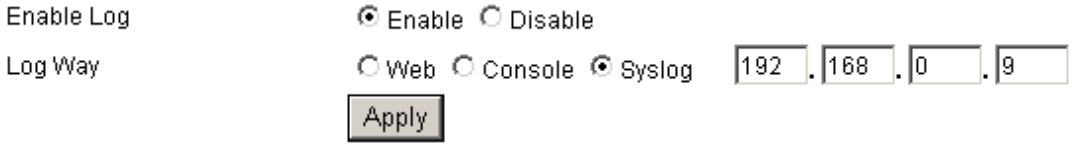


Input the log file name and press “start” button, the output message are now stored in the log file.

When enough message captured, you can stop capturing:

From the menu, choose “Transfer”→”capture text”→”stop”

Syslog



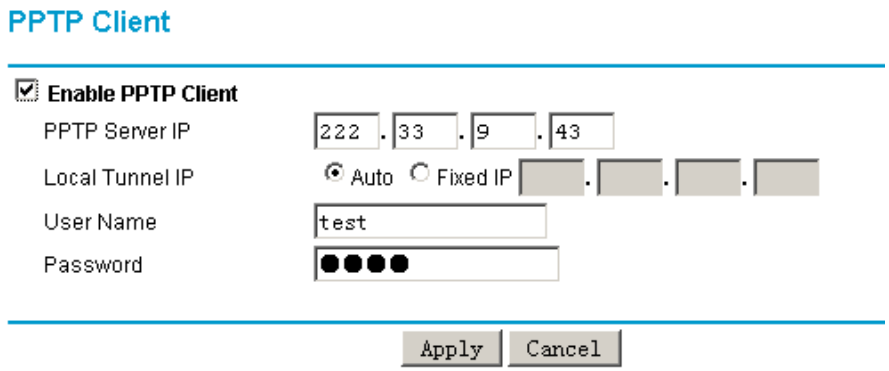
The log message is output to a syslog server, if choose this way, you should input a syslog server’s IP Address and run a syslog server program on it. .

3.3.15 Misc

Normally, the four-faith web config tool listens on port 80. If you want to change listening port, please configure “web config port” item.

To reboot the router , press the “Reboot” button.

3.3.16 PPTP Client



Enable PPTP Client: Enable or disable PPTP Client function

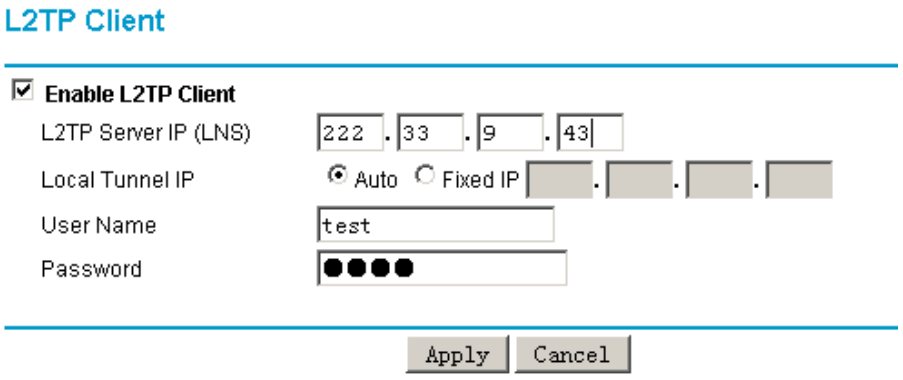
PPTP Server IP: The PPTP server's IP Address

Local Tunnel IP: The local tunnel IP Address, if you choose "Auto", the Address is allocated by the PPTP Server dynamically. You can also use the fixed local tunnel IP if the PPTP Server support

User Name: Username to login the PPTP Server.

Password: Password to log into the PPTP Server.

3.3.17 L2TP Client



Enable L2TP Client: Enable or disable L2TP Client function

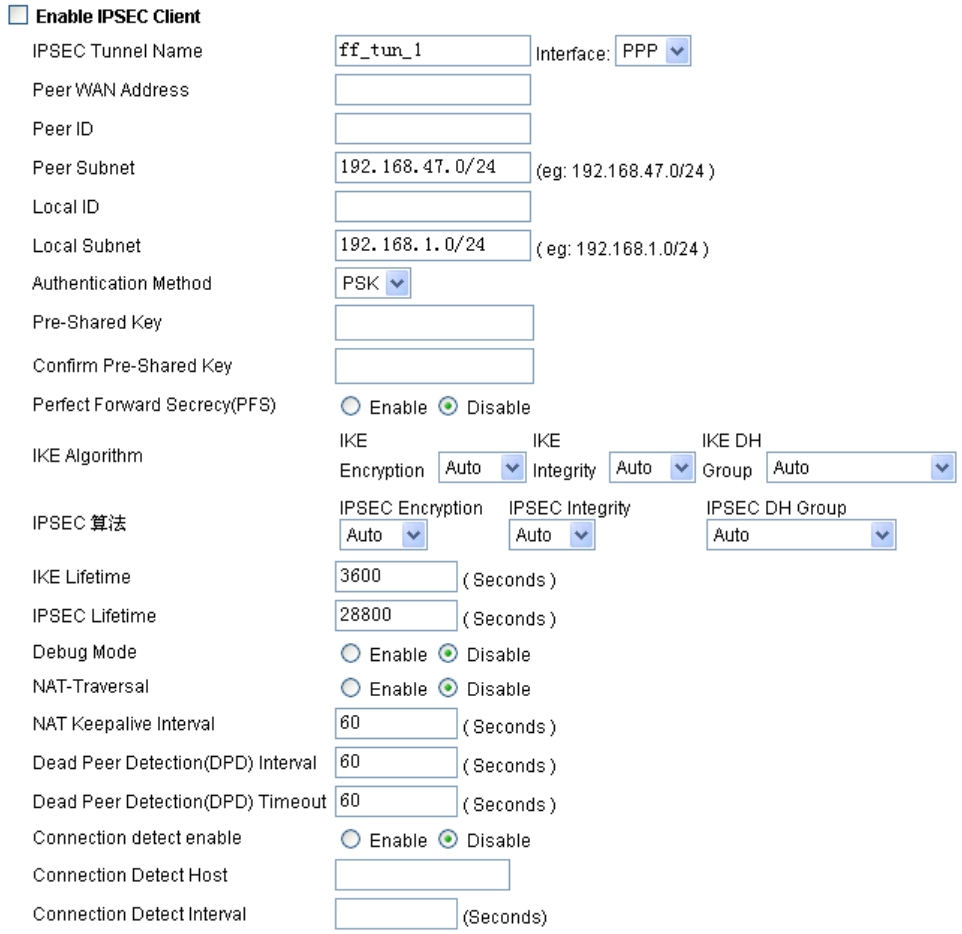
L2TP Server IP (LNS): The L2TP server's IP Address

Local Tunnel IP: The local tunnel IP Address, if you choose "Auto", the Address is allocated by the L2TP Server dynamically. You can also use the fixed local tunnel IP if the L2TP Server support

User Name: Username to login the L2TP Server.

Password: Password to login the L2TP Server.

3.3.18 IPSEC Client

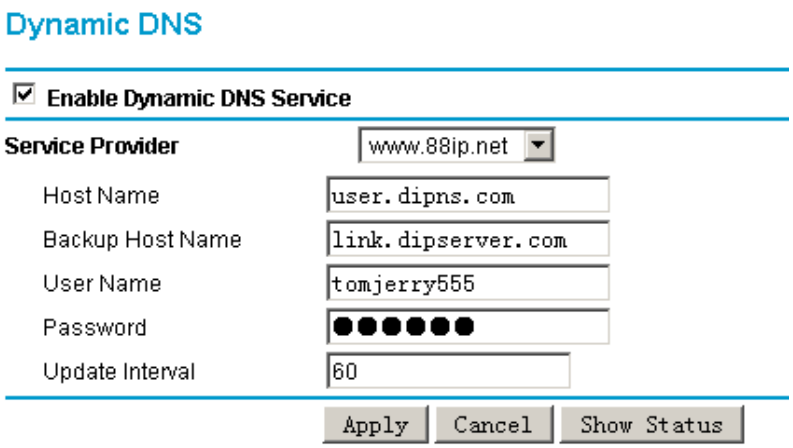


3.3.19 Dynamic DNS

If your network has a permanently assigned IP address, you can register a domain name and have that name linked with your IP address by public Domain Name Servers (DNS). However, if your Internet account uses a dynamically assigned IP address, you will not know in advance what your IP address will be, and the address can change frequently. In this case, you can use a commercial dynamic DNS service, which will allow you to register your domain to their IP address, and will forward traffic directed at your domain to your frequently-changing IP address.

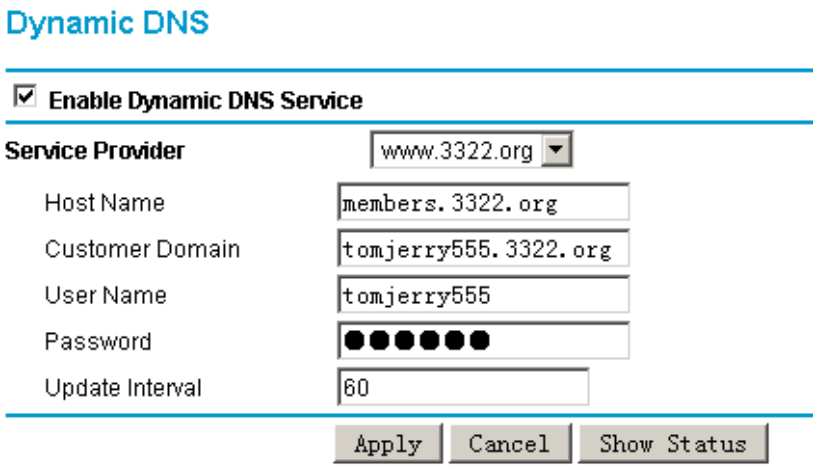
The four-faith router currently support 88ip(www.88ip.net) and 3322(www.3322.org) Dynamic DNS provider.

88ip:



Enable Dynamic DNS Service: Enable DDNS service
Service Provider: the DDNS service provider
Host Name: The 88ip provider's server hostname
Backup Host Name: The 88ip provider's backup server hostname
User Name: Your 88ip account username
Password: Your 88ip account password
Update Interval: The time interval of IP Address update, unit is second

3322:

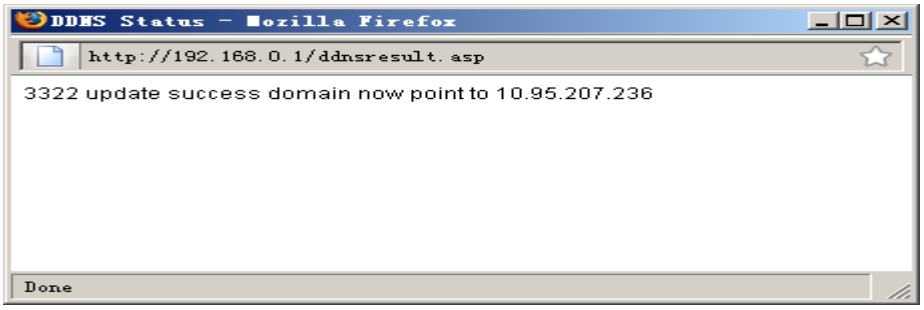


Enable Dynamic DNS Service: Enable DDNS service
Service Provider: the DDNS service provider
Host Name: The 3322 provider's server hostname
Customer Domain: Your custom 3322 domain name.
User Name: Your 3322 account username

Password: Your 3322 account password

Update Interval: The time interval of IP Address update.

The “Show Status” button is used to display the current DDNS status.



The above DDNS status page shows the domain name tomjerry555.3322.org now point to IP Address 10.95.207.236